

<b>Customer</b>	: CU-DAR001 Dart Helicopters Services	<b>Drawing Name</b>	: DOUBLER		
<b>Job Number</b>	: 34098				
<b>Estimate Number</b>	: 12405				
<b>P.O. Number</b>	: N/A	<b>Part Number</b>	: D346720		
<b>This Issue</b>	: 17/08/2007 <b>S.O. No.</b> : N/A	<b>Drawing Number</b>	: D3467 REV.B		
<b>Prsht Rev.</b>	: NC	<b>Project Number</b>	: N/A		
<b>First Issue</b>	: N/A <b>Type</b> : PURCHASED PARTS	<b>Drawing Revision</b>	: B		
<b>Previous Run</b>	: 32048	<b>Material</b>	: N/A		
<b>Written By</b>	: _____	<b>Due Date</b>	: 11/09/2007	<b>Qty:</b>	10 <b>Um:</b> Each
<b>Checked &amp; Approved By</b>	: _____				
<b>Comment</b>	: est rev. A 06.04.20    new issue    EC				
	Est Rev:B    As per Rev B 06-05-24 JLM				

## Job Number:

Form: rprocess

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

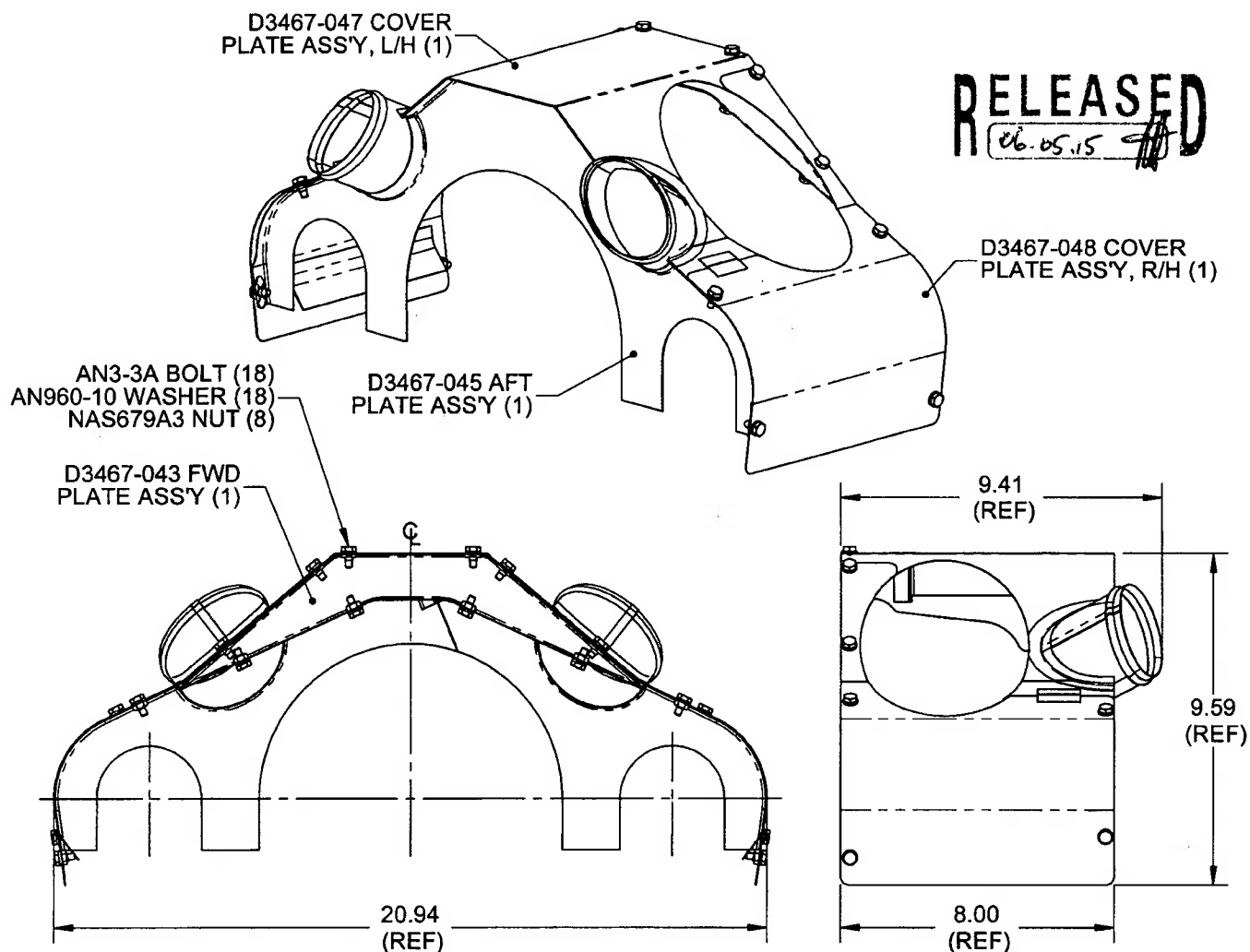
Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes ☒ No ☐ DQA: D Date: 07/09/06  
 QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries



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DATE 06.05.15		TITLE SHROUD ASSEMBLY	SCALE 1:5
A	05.12.07	NEW ISSUE	
B	06.05.15	Ø0.250 & Ø0.203 WERE Ø0.194 ; UPDATED D3467-9F/-15F	



### D3467-041 SHROUD ASSEMBLY

#### NOTES:

- 1) IDENTIFY WITH DART P/N D3467-041 USING FINE POINT PERMANENT INK MARKER
- 2) ASSEMBLY IS SYMMETRICAL ABOUT CENTERLINE
- 3) FINISH: NONE
- 4) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 5) ALL DIMENSIONS ARE IN INCHES
- 6) BREAK ALL SHARP EDGES 0.005 TO 0.010

QTY -041	P/N	DESCRIPTION
X	D3467-041	SHROUD ASSEMBLY
		SHOP COPY
1	D3467-043	FWD PLATE ASSEMBLY
1	D3467-045	AFT PLATE ASSEMBLY
1	D3467-047	COVER PLATE ASSEMBLY, L/H
1	D3467-048	COVER PLATE ASSEMBLY, R/H
		WITHOUT NOTICE
18	AN3-3A	BOLT
18	AN960-10	WASHER
8	NAS679A3	NUT

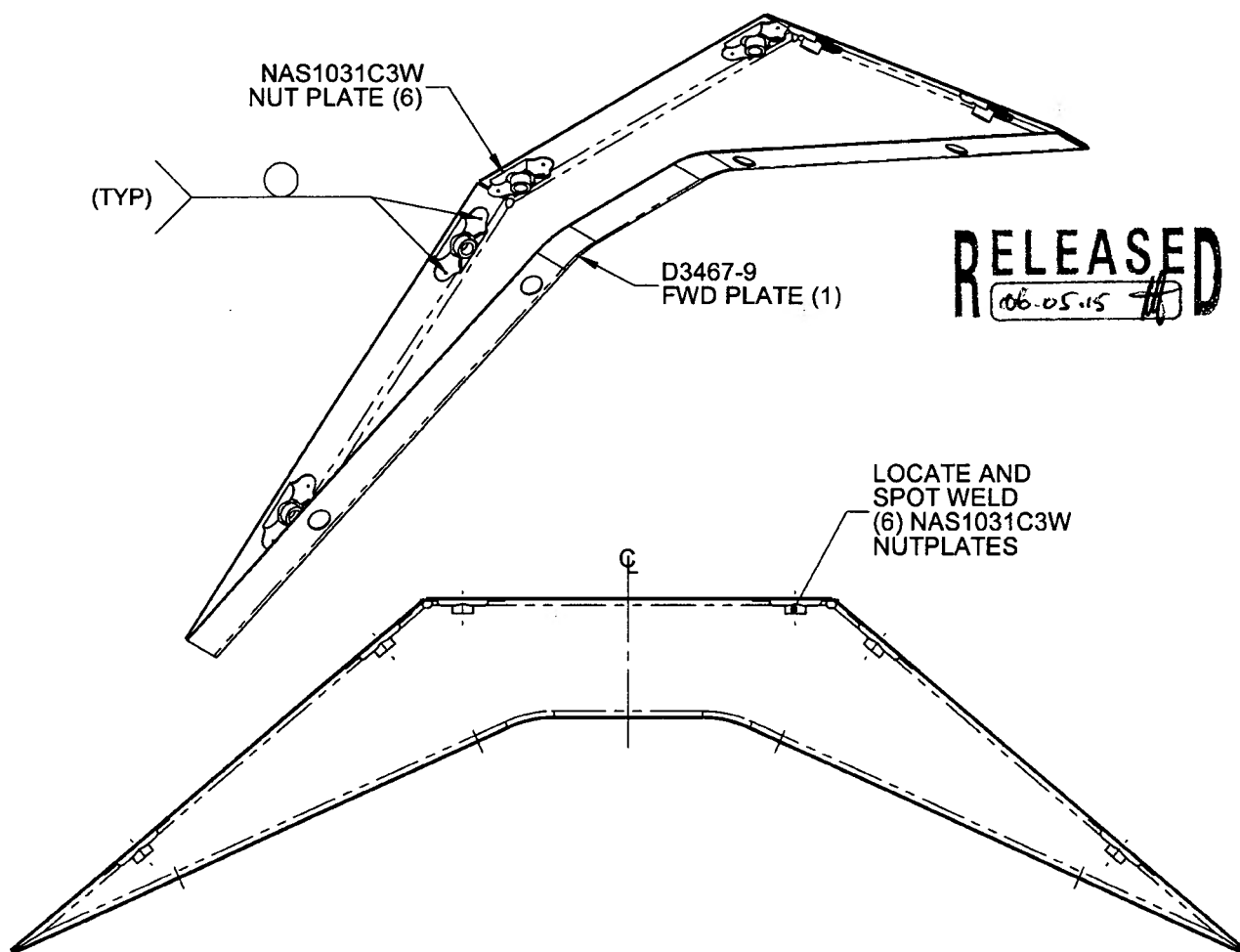
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DATE 06.05.15		TITLE SHROUD ASSEMBLY	SCALE 1:2



QTY -043	P/N	DESCRIPTION
X	D3467-043	FWD PLATE ASSEMBLY
1	D3467-9	FWD PLATE
6	NAS1031C3W	NUT PLATE

### D3467-043 FWD PLATE ASSEMBLY

#### NOTES:

- 1) SPOT WELD PER DART QSI 004
- 2) FINISH: NONE
- 3) ASSEMBLY IS SYMETRICAL ABOUT CENTER LINE
- 4) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 5) ALL DIMENSIONS ARE IN INCHES
- 6) BREAK ALL SHARP EDGES 0.005 TO 0.010

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NO. 34098

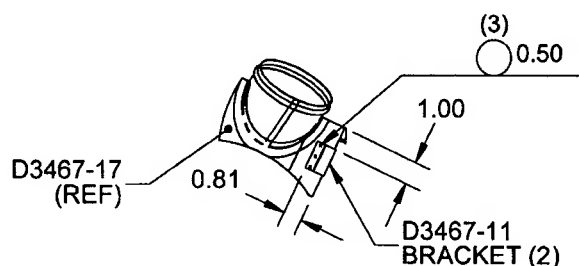
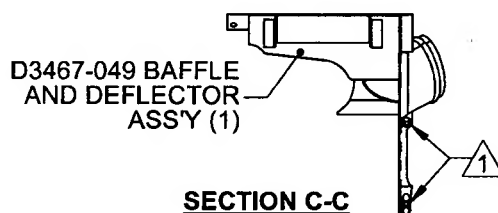
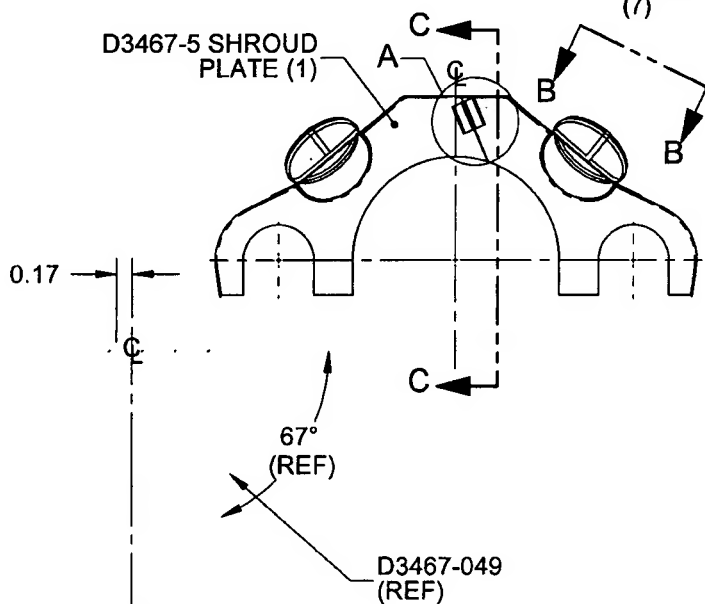
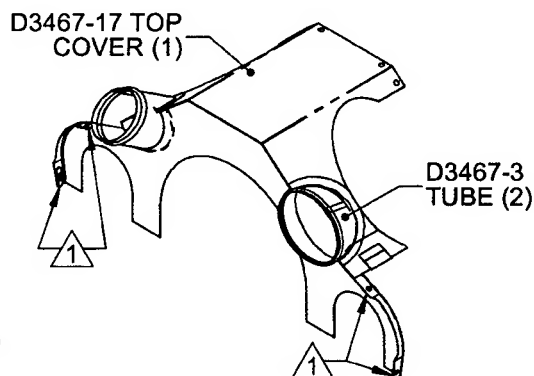
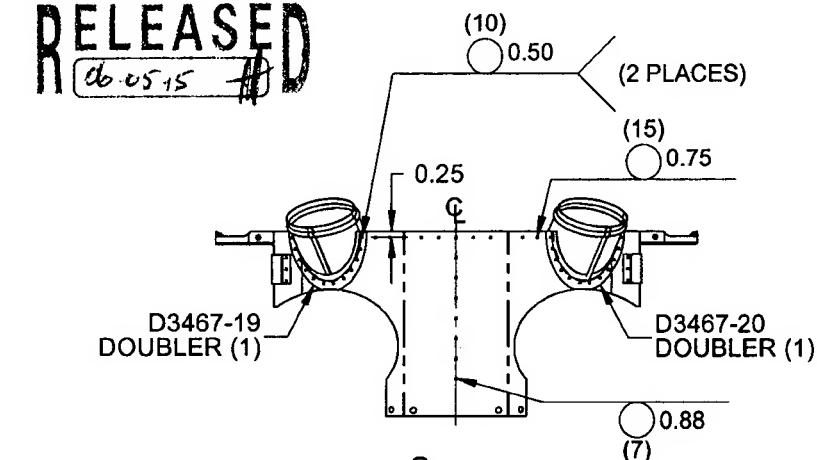
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DATE <b>06.05.15</b>	TITLE <b>SHROUD ASSEMBLY</b>		SCALE 1:8

RELEASED  
06-05-15



VIEW B-B: WELDING D3467-11  
D3467-047 NOT SHOWN FOR CLARITY  
(2 PLACES)

DETAIL A  
SCALE 1:2

### D3467-045 AFT PLATE ASSEMBLY

#### NOTES:

- 1) LOCATE AND SPOT WELD NAS1031C3W NUTPLATE (4) TO D3467-5 PRIOR WELDING OTHER PARTS TO D3467-5
- 2) SPOT WELD PER DART QSI 004
- 3) FINISH: NONE
- 4) ASSEMBLY IS SYMMETRICAL ABOUT CENTERLINE
- 5) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 6) ALL DIMENSIONS ARE IN INCHES
- 7) BREAK ALL SHARP EDGES 0.005 TO 0.010

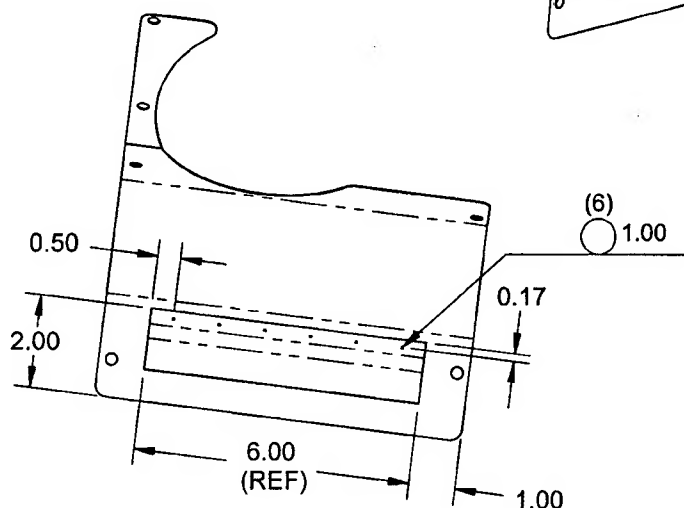
QTY -045	P/N	DESCRIPTION
X	D3467-045	AFT PLATE ASSEMBLY
1	D3467-049	BAFFLE AND DEFLECTOR ASSEMBLY
2	D3467-3	TUBE
1	D3467-5	SHROUD PLATE
2	D3467-11	BRACKET
1	D3467-17	TOP COVER
1	D3467-19	DOUBLER
1	D3467-20	DOUBLER
4	NAS1031C3W	NUT PLATE

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DATE 06.05.15		TITLE SHROUD ASSEMBLY	SCALE 1:4

**RELEASED**  
06.05.15D3467-1 COVER  
PLATE L/H, SHOWN  
(D3467-2 COVER  
PLATE R/H, OPPOSITE)D3467-7  
SEAL STRIP (1)**D3467-047 COVER PLATE ASS'Y L/H, SHOWN**  
**D3467-048 COVER PLATE ASS'Y R/H, OPPOSITE**SHOP COPY  
30°  
TURN TO  
(REF) ENGINEERING  
UNCONTROLLED COPY  
SUBJECT TO AMENDMENT  
WITHOUT NOTICE  
WORK ORDER NO. 34098**NOTES:**

- 1) WELD PER DART QSI 004
- 2) FINISH: NONE
- 3) TOLERANCES ARE PER DART QSI 018  
UNLESS OTHERWISE NOTED
- 4) ALL DIMENSIONS ARE IN INCHES
- 5) BREAK ALL SHARP EDGES 0.005 TO  
0.010

QTY -047	QTY -048	P/N	DESCRIPTION
X		D3467-047	COVER PLATE ASSEMBLY, L/H
	X	D3467-048	COVER PLATE ASSEMBLY, R/H
1		D3467-1	COVER PLATE, L/H
	1	D3467-2	COVER PLATE, R/H
1	1	D3467-7	SEAL STRIP

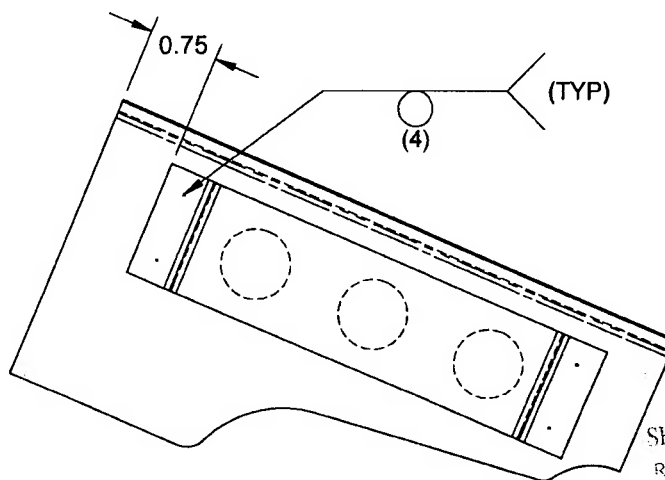
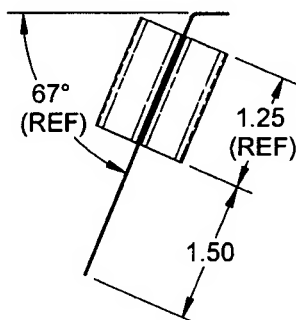
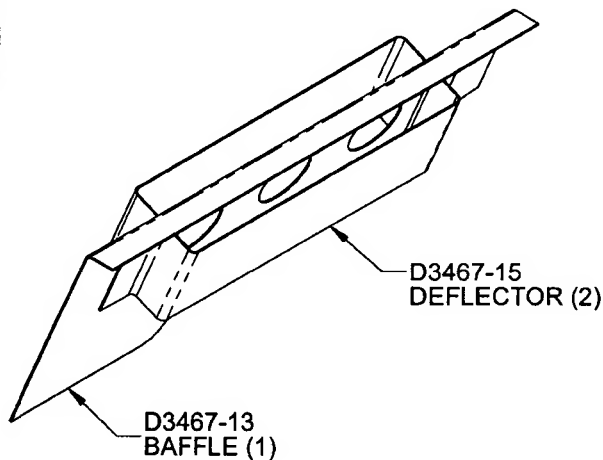
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DATE 06.05.15		TITLE SHROUD ASSEMBLY	SCALE 1:2

RELEASED  
#1 06.05.15



### D3467-049 BAFFLE & DEFLECTOR ASSEMBLY

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NO. 34098

#### NOTES:

- 1) SPOT WELD PER DART QSI 004
- 2) FINISH: NONE
- 3) TOLERANCES ARE PER DART QSI 018  
UNLESS OTHERWISE NOTED
- 4) ALL DIMENSIONS ARE IN INCHES
- 5) BREAK ALL SHARP EDGES 0.005 TO 0.010

QTY -049	P/N	DESCRIPTION
	D3467-049	BAFFLE & DEFLECTOR ASSEMBLY
1	D3467-13	BAFFLE
2	D3467-15	DEFLECTOR

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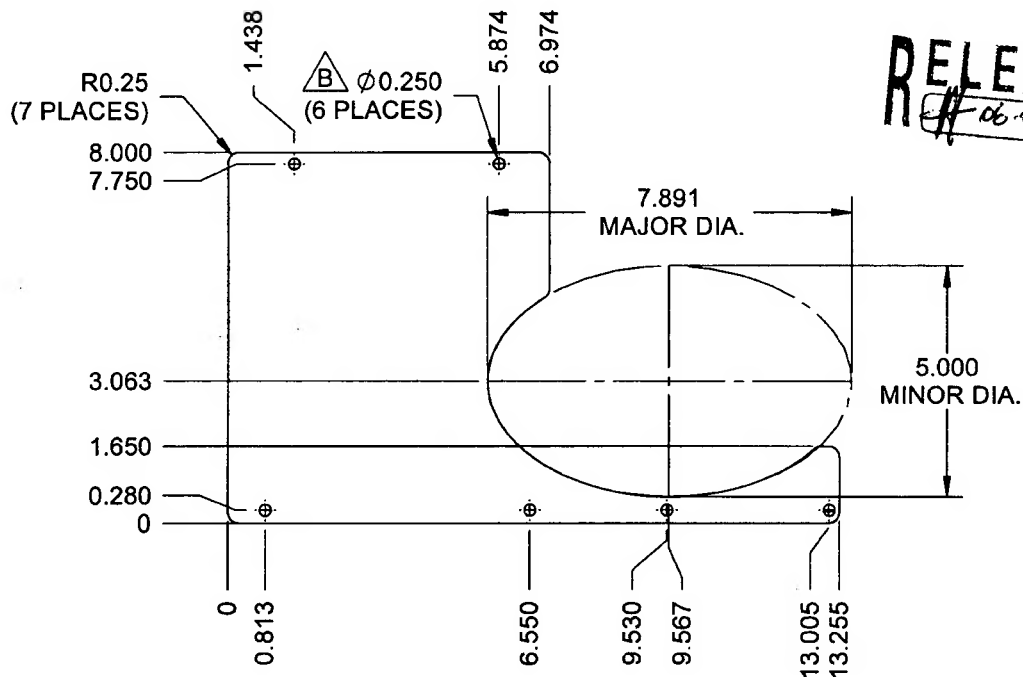
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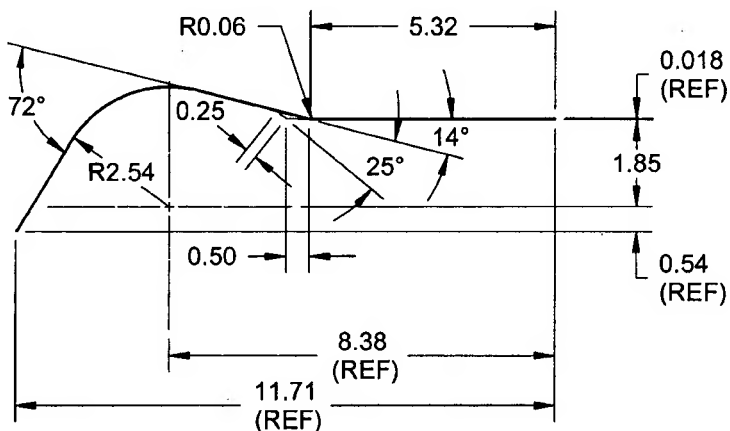




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DATE 06.05.15		TITLE SHROUD ASSEMBLY	SCALE 1:4



### D3467-1F COVER PLATE FLAT PATTERN



### D3467-1 L/H COVER PLATE D3467-2 R/H COVER PLATE (OPPOSITE)

#### NOTES:

- 1) MATERIAL: AISI 304/316 SS SHEET PER MIL-S-5019 (ANNEALED) 2B FINISH  
26 GAUGE SS (0.018 THICK)  
(REF. DART SPEC. M304S26GA)
- 2) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 3) ALL DIMENSIONS ARE IN INCHES
- 4) BREAK ALL SHARP EDGES 0.005 TO 0.010

### D3467-1 L/H COVER PLATE ISOMETRIC VIEW.

### D3467-2 R/H COVER PLATE (OPPOSITE)

SCALE 1:8 R/V TO

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NO. 34098

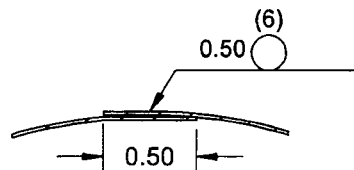
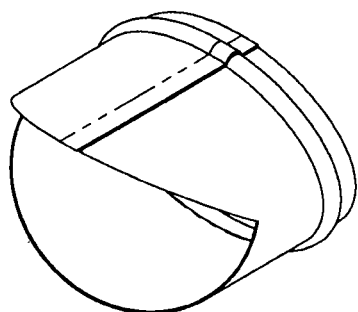
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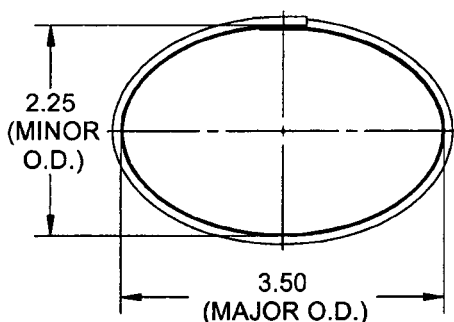


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DATE <b>06.05.15</b>		TITLE <b>SHROUD ASSEMBLY</b>	SCALE 1:2

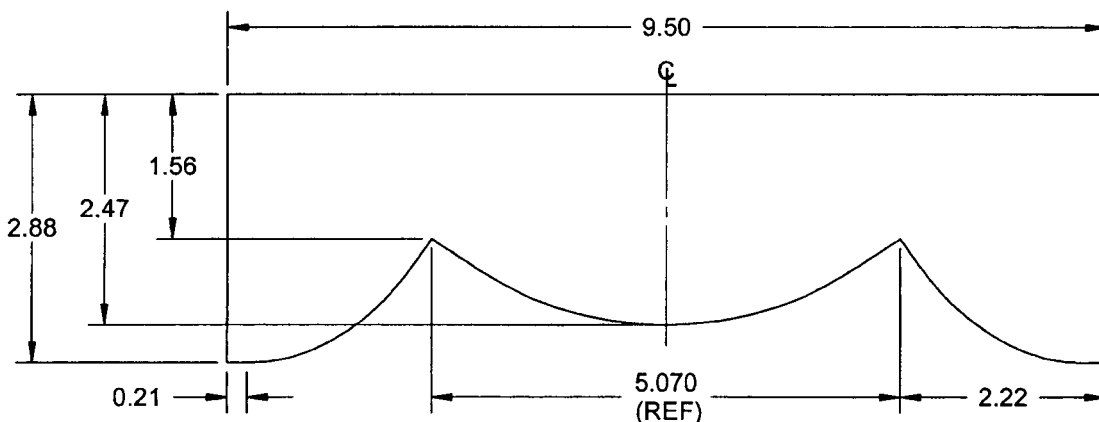
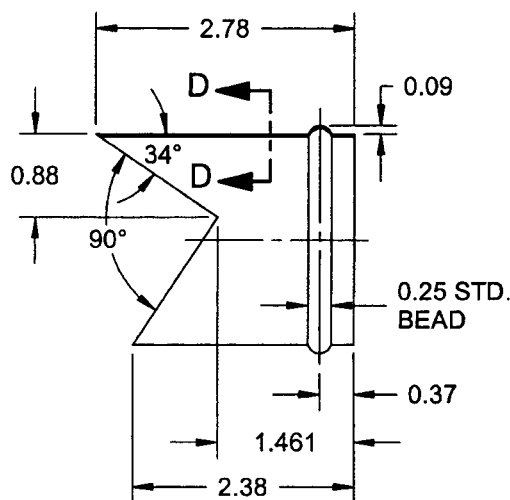
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*06.05.15*



**SECTION D-D**  
SCALE 1:1



**D3467-3 TUBE DETAIL**



**D3467-3F TUBE FLAT PATTERN**

**NOTES:**

- 1) MATERIAL: AISI 304/316 SS SHEET PER MIL-S-5019 (ANNEALED) 2B FINISH  
26 GAUGE SS (0.018 THICK)  
(REF. DART SPEC. M304S26GA)
- 2) FLAT PATTERN IS SYMMETRICAL ABOUT CENTERLINE
- 3) SPOT WELD PER DART QSI 004
- 4) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 5) ALL DIMENSIONS ARE IN INCHES
- 6) BREAK ALL SHARP EDGES 0.005 TO 0.010

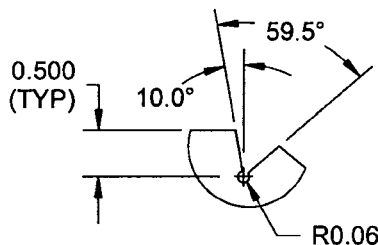
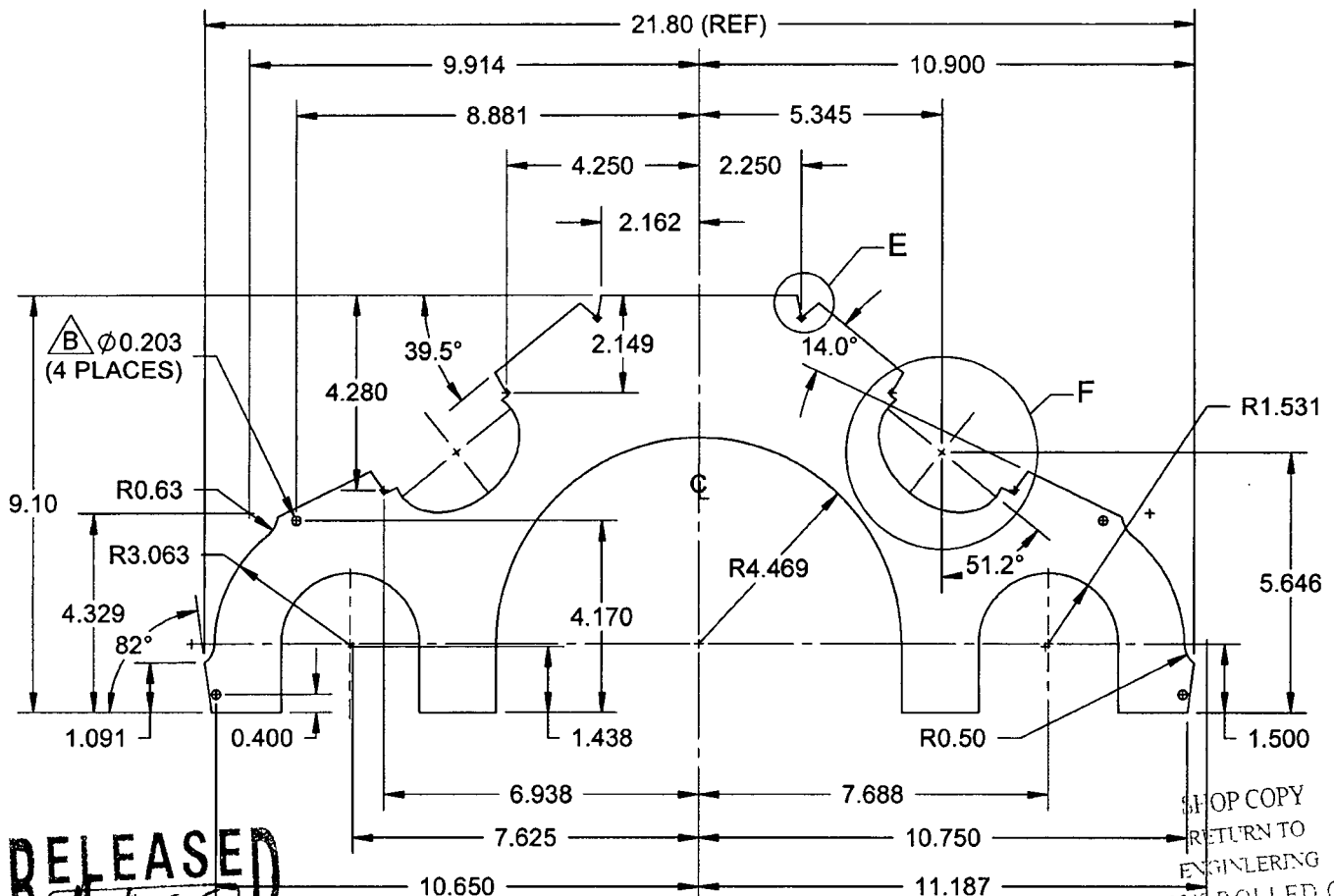
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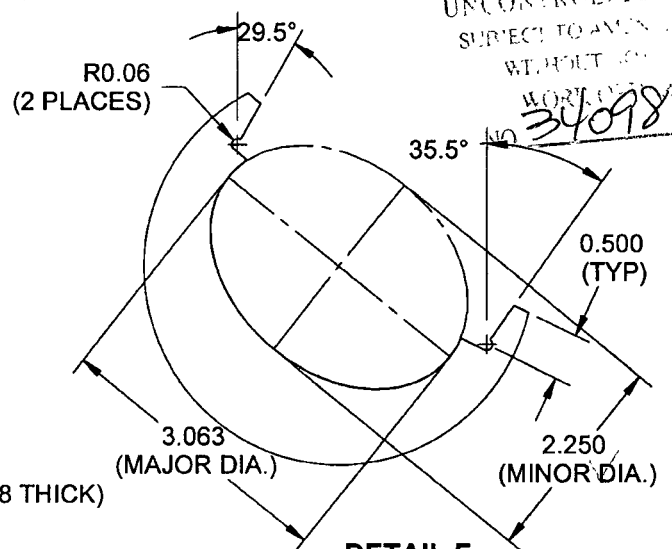
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DATE <b>06.05.15</b>		TITLE <b>SHROUD ASSEMBLY</b>	SCALE 1:8



**DETAIL E**  
SCALE 1:2



**DETAIL F**  
SCALE 1:2

### **D3467-5F AFT PLATE FLAT PATTERN**

#### **NOTES:**

- 1) MATERIAL: AISI 304/316 SS SHEET PER MIL-S-5019  
(ANNEALED) 2B FINISH 26 GAUGE SS (0.018 THICK)  
(REF. DART SPEC. M304S26GA)
- 2) PART IS SYMMETRICAL ABOUT CENTERLINE
- 4) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 5) ALL DIMENSIONS ARE IN INCHES
- 6) BREAK ALL SHARP EDGES 0.005 TO 0.010

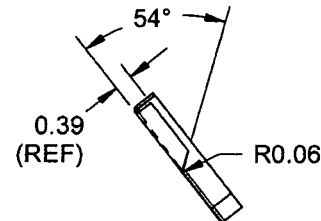
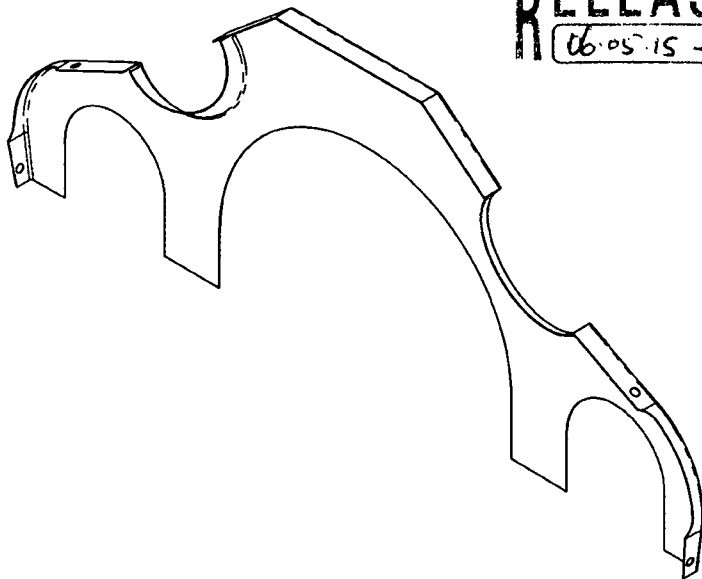
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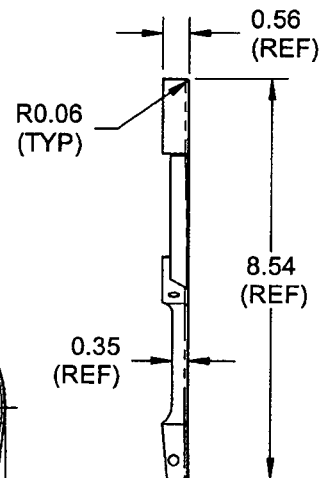
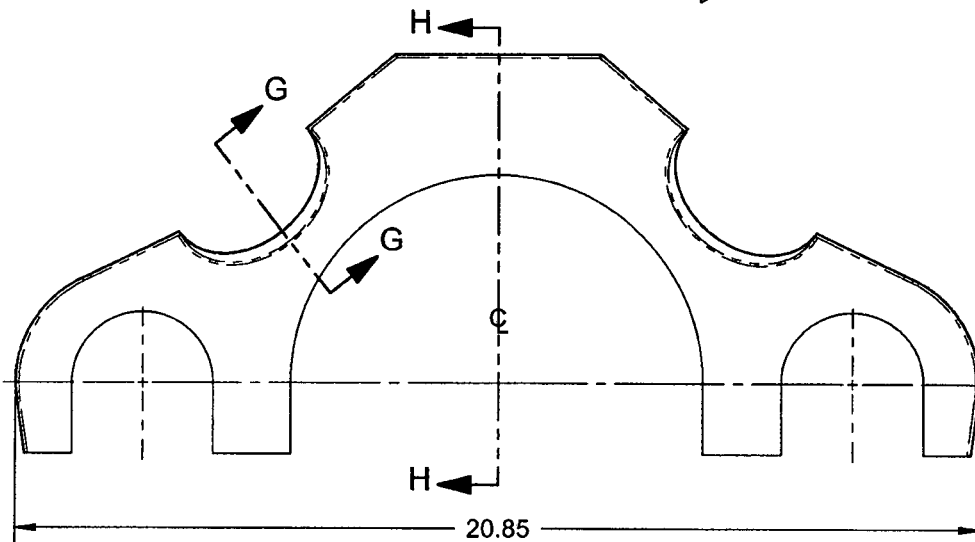


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DATE 06.05.15		TITLE SHROUD ASSEMBLY	SCALE 1:4

RELEASED  
06.05.15 *H*



**SECTION G-G**



**SECTION H-H**

**D3467-5 AFT PLATE BENDING DETAIL**

**NOTES:**

- 1) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 2) ALL DIMENSIONS ARE IN INCHES
- 3) BREAK ALL SHARP EDGES 0.005 TO 0.010

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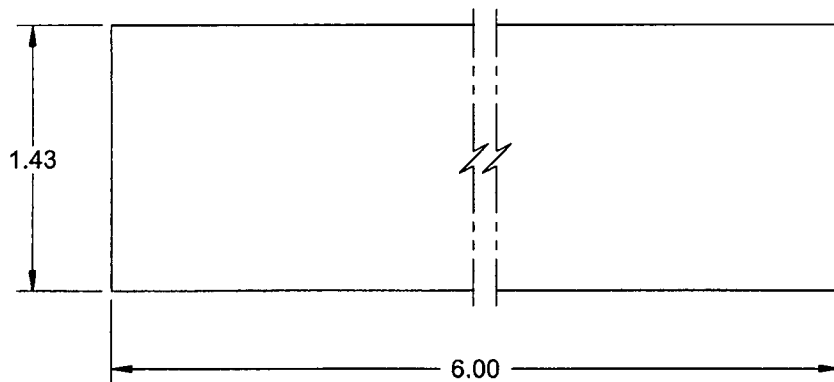
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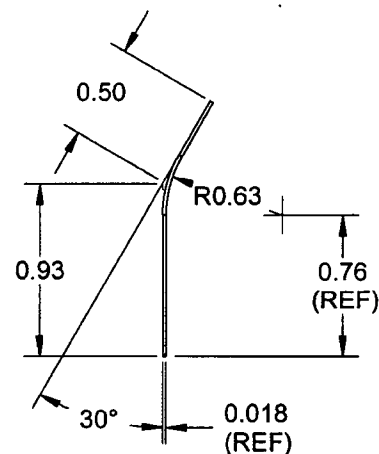


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DATE <b>06.05.15</b>		TITLE <b>SHROUD ASSEMBLY</b>	SCALE 1:1

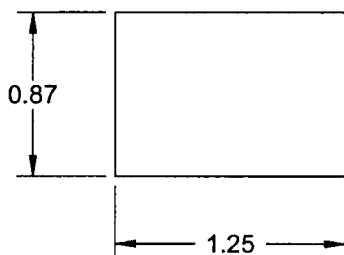
RELEASED  
06.05.15 H



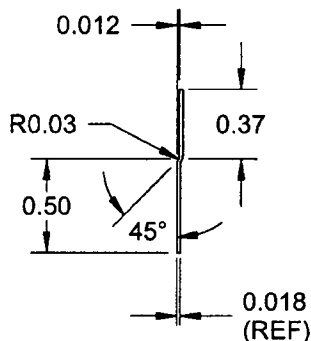
**D3467-7F SEAL STRIP**  
**FLAT PATTERN**



**D3467-7 SEAL STRIP**  
**BENDING DETAIL**



**D3467-11F BRACKET**  
**FLAT PATTERN**



**D3467-11 BRACKET**  
**JOGGLE DETAIL**

**NOTES:**

1) MATERIAL: AISI 304/316 SS SHEET PER MIL-S-5019 (ANNEALED) 2B FINISH  
26 GAUGE SS (0.018 THICK)  
(REF. DART SPEC. M304S26GA)

2) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED

3) ALL DIMENSIONS ARE IN INCHES

4) BREAK ALL SHARP EDGES 0.005 TO 0.010

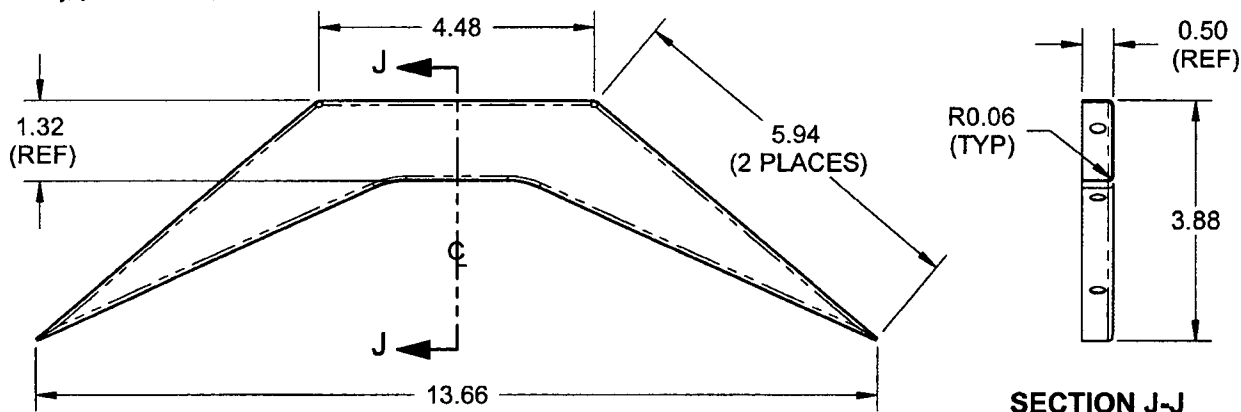
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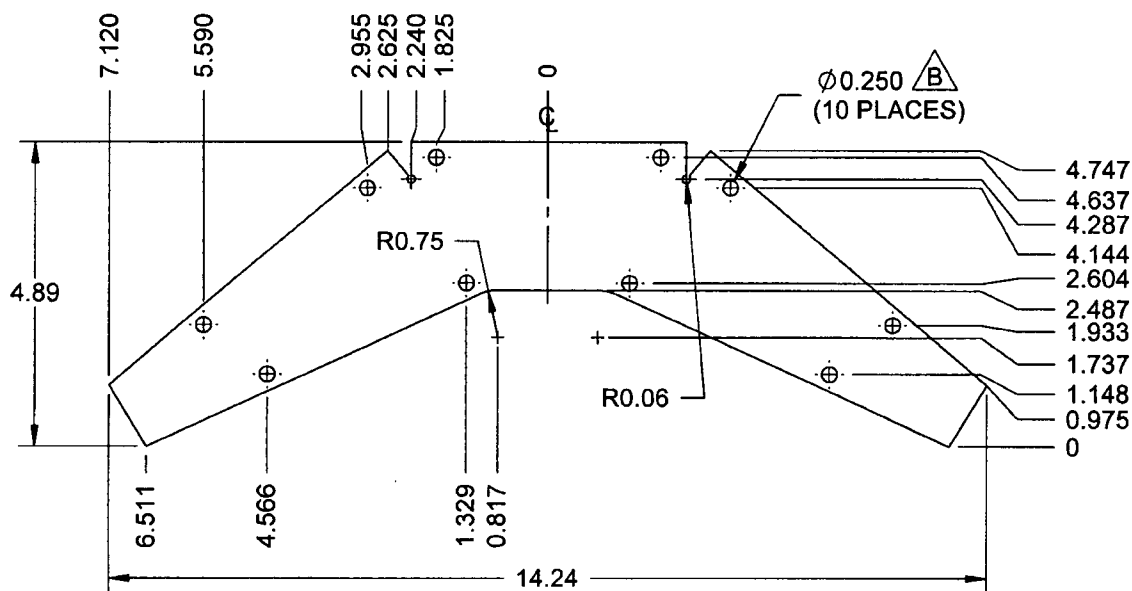
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DATE <b>06.05.15</b>		TITLE <b>SHROUD ASSEMBLY</b>	SCALE 1:3

RELEASED  
46-05-15



### D3467-9 FWD PLATE BENDING DETAIL



**D3467-9F FWD PLATE FLAT PATTERN**

**NOTES:**

- 1) MATERIAL: AISI 304/316 SS SHEET PER MIL-S-5019 (ANNEALED) 2B FINISH  
26 GAUGE SS (0.018 THICK)  
(REF. DART SPEC. M304S26GA)  
2) PART IS SYMMETRICAL ABOUT CENTER LINE  
3) ALL DIMENSIONS ARE IN INCHES  
4) BREAK ALL SHARP EDGES 0.005 TO 0.010

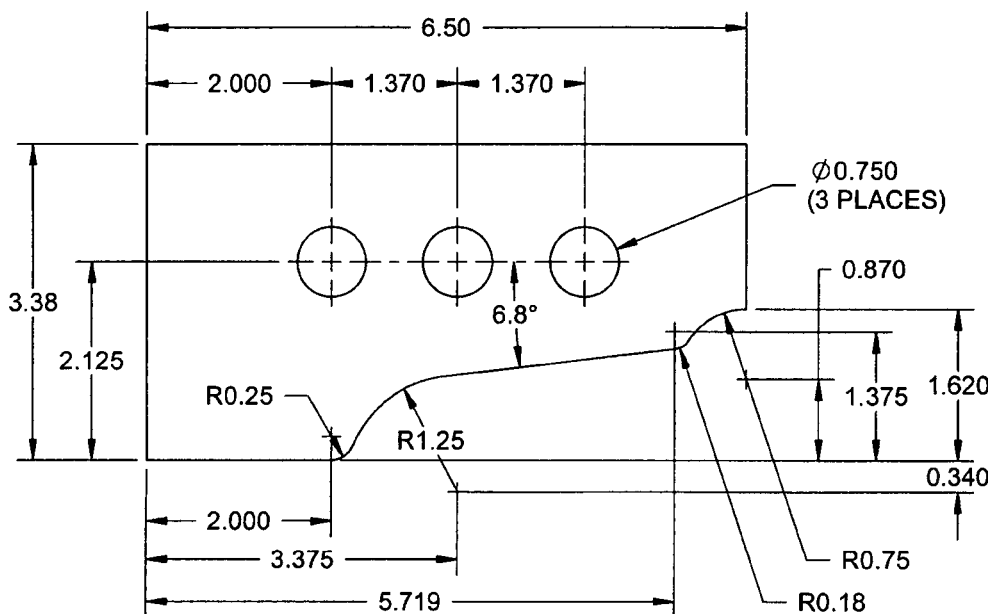
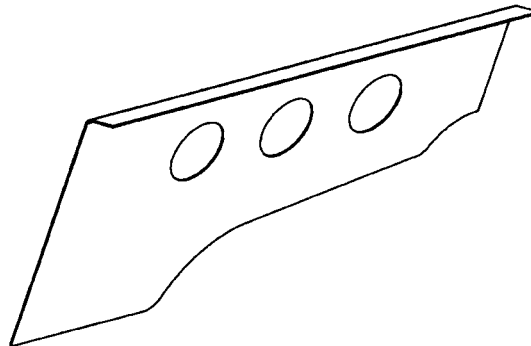
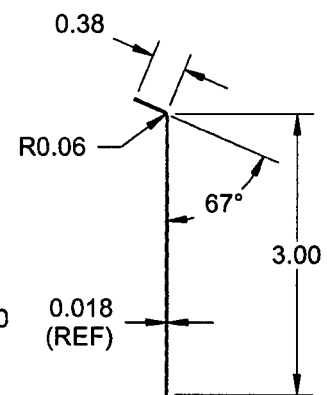
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WORK ORDER  
NO. 34098

**DART**

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CHECKED <i>[Signature]</i>	APPROVED <i>[Signature]</i>	DRAWING NO. <b>D3467</b>	REV. B SHEET 12 OF 15
DATE <b>06.05.15</b>		TITLE <b>SHROUD ASSEMBLY</b>	SCALE 1:2

**RELEASED**  
*[Signature]* 06.05.15**D3467-13F BAFFLE  
FLAT PATTERN****D3467-13 BAFFLE  
BEND DETAIL****NOTES:**

- 1) MATERIAL: AISI 304/316 SS SHEET PER MIL-S-5019 (ANNEALED) 2B FINISH  
26 GAUGE SS (0.018 THICK)  
(REF. DART SPEC. M304S26GA)
- 2) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 3) ALL DIMENSIONS ARE IN INCHES
- 4) BREAK ALL SHARP EDGES 0.005 TO 0.010

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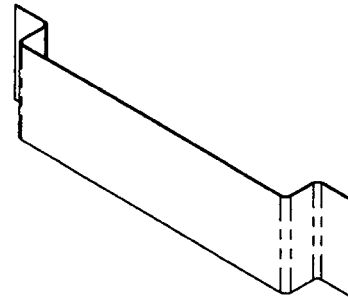
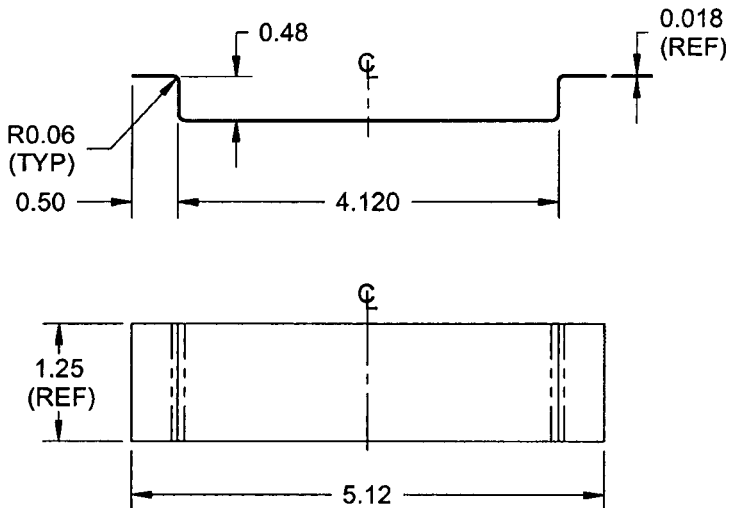
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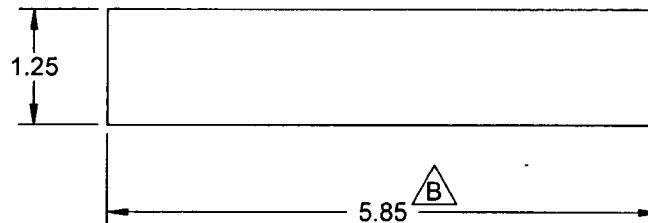


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CHECKED <i>JA</i>	APPROVED <i>JA</i>	DRAWING NO. D3467	REV. B SHEET 13 OF 15
DATE 06.05.15		TITLE SHROUD ASSEMBLY	SCALE 1:2

RELEASED  
*06.05.15*



### D3467-15 DEFLECTOR BENDING DETAIL



### D3467-15F DEFLECTOR FLAT PATTERN

#### NOTES:

- 1) MATERIAL: AISI 304/316 SS SHEET PER MIL-S-5019 (ANNEALED) 2B **FINISH**  
26 GAUGE SS (0.018 THICK)  
(REF. DART SPEC. M304S26GA)
- 2) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 3) ALL DIMENSIONS ARE IN INCHES
- 4) BREAK ALL SHARP EDGES 0.005 TO 0.010

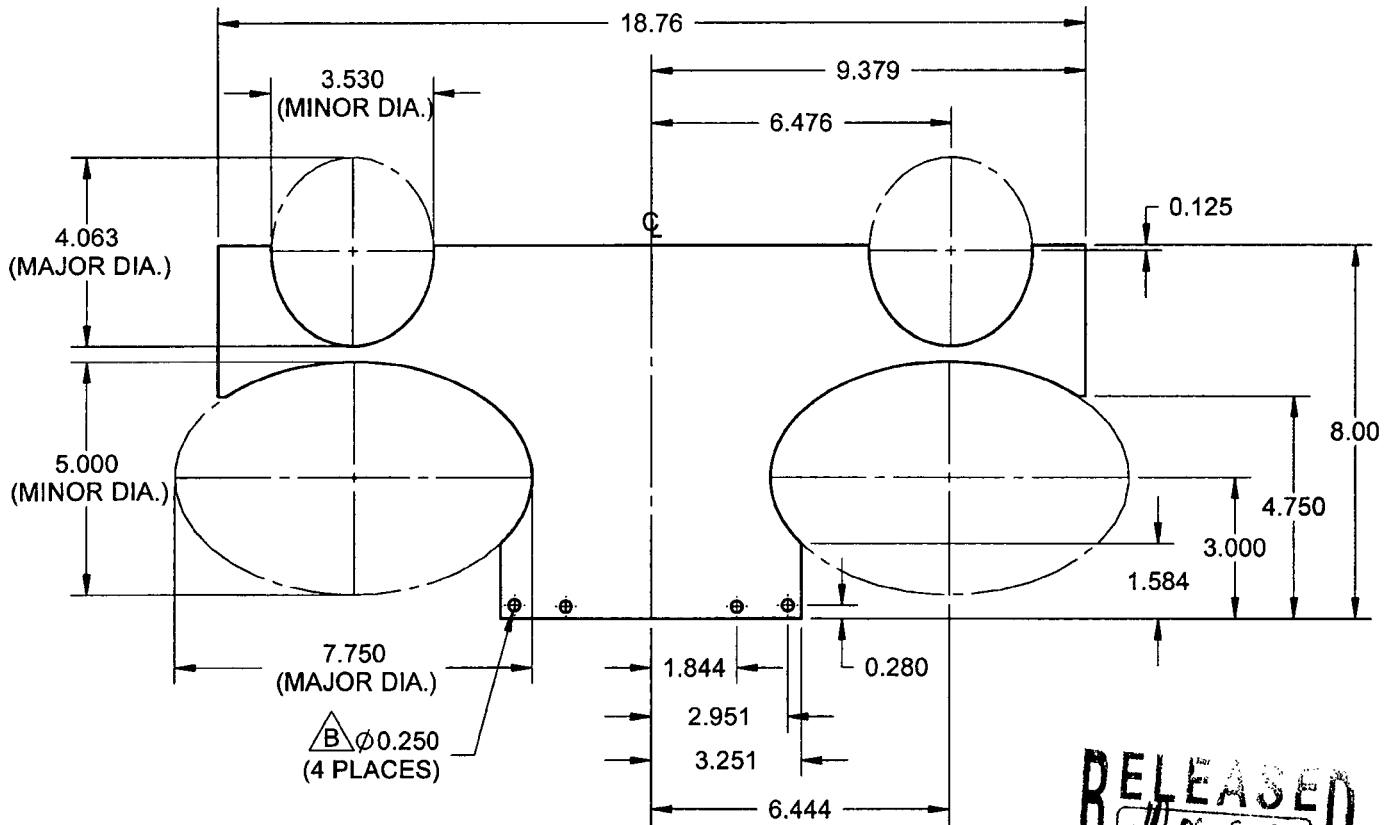
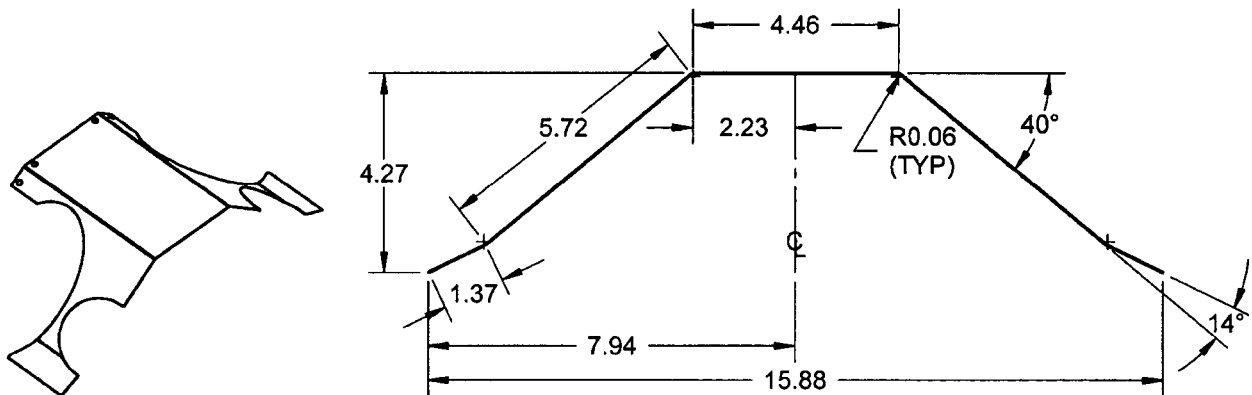
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CHECKED <i>[Signature]</i>	APPROVED <i>[Signature]</i>	DRAWING NO. <b>D3467</b>	REV. B SHEET 14 OF 15
DATE <b>06.05.15</b>		TITLE <b>SHROUD ASSEMBLY</b>	SCALE 1:4

**D3467-17F TOP COVER FLAT PATTERN****RELEASED**  
#06-05-15**D3467-17 TOP COVER BENDING DETAIL****NOTES:**

- 1) MATERIAL: AISI 304/316 SS SHEET PER MIL-S-5019 (ANNEALED) 2B FINISH  
26 GAUGE SS (0.018 THICK)  
(REF. DART SPEC. M304S26GA)
- 2) FINISH: NONE
- 3) PART IS SYMMETRICAL ABOUT CENTERLINE
- 4) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 5) ALL DIMENSIONS ARE IN INCHES
- 6) BREAK ALL SHARP EDGES 0.005 TO 0.010

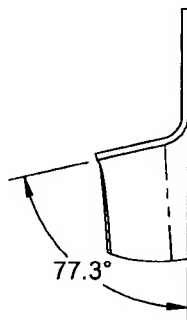
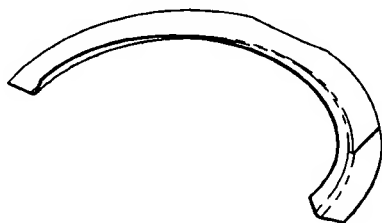
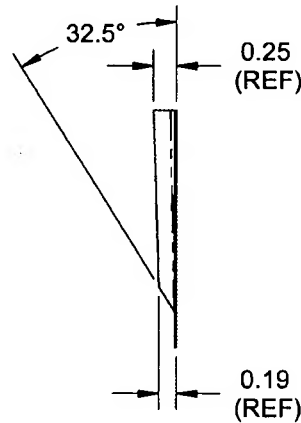
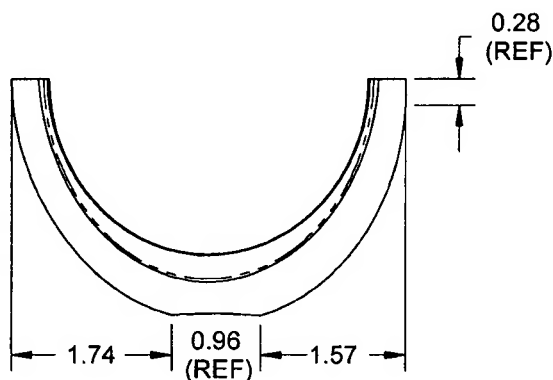
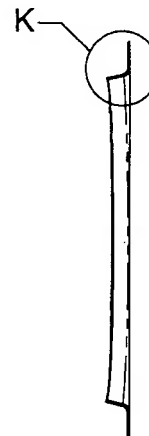
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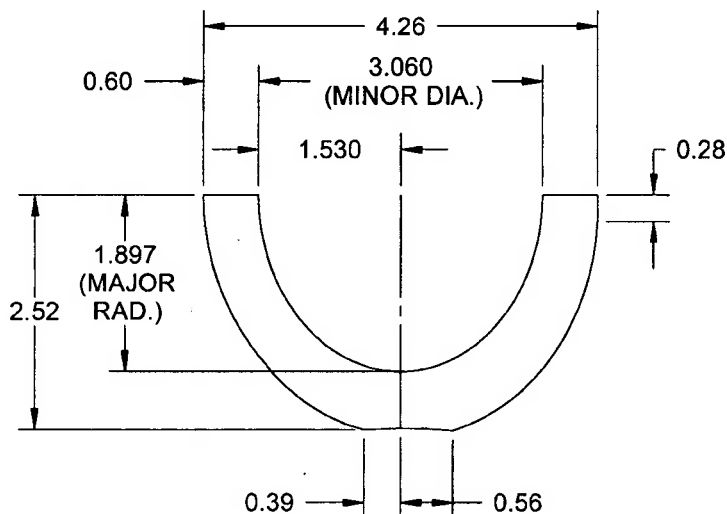
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DESIGN <i>B</i>	DRAWN BY <i>B</i>	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA	
CHECKED <i>H</i>	APPROVED <i>H</i>	DRAWING NO. <b>D3467</b>	REV. B SHEET 15 OF 15
DATE <b>06.05.15</b>		TITLE <b>SHROUD ASSEMBLY</b>	SCALE 1:2

**RELEASED**  
*do vs:5***DETAIL K**  
SCALE 1:2**D3467-19 DOUBLER, L/H SHOWN**  
**D3467-20 DOUBLER, R/H OPPOSITE**SHOP COPY  
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WORK ORDER**D3467-19F FLAT PATTERN****NOTES:**

- 1) MATERIAL: AISI 304/316 SS SHEET PER MIL-S-5019 (ANNEALED) 2B FINISH 26 GAUGE SS (0.018 THICK) (REF. DART SPEC. M304S26GA)
- 2) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 3) ALL DIMENSIONS ARE IN INCHES
- 4) BREAK ALL SHARP EDGES 0.005 TO 0.010



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Date: Friday, 17/08/2007 11:21:45 AM  
User: Linda Lacelle

## Process Sheet

Customer: CU-DAR001 Dart Helicopters Services

Drawing Name: DOUBLER

Job Number: 34098

Part Number: D346720

Job Number:



Seq. #:

Machine Or Operation:

Description :

6.0

QC5

INSPECT WORK TO CURRENT STEP



Comment: INSPECT WORK TO CURRENT STEP

07/09/04 (40)

7.0

PACKAGING 1

PACKAGING RESOURCE #1



Comment: PACKAGING RESOURCE #1

Identify and Stock

Location GA

SB 07/09/06 10

8.0

QC21

FINAL INSPECTION/W/O RELEASE



Comment: FINAL INSPECTION/W/O RELEASE

(A) 07/09/06

Job Completion



U 07-09-06

**Dart Aerospace Ltd**

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries